Computer Science and Mathematics

University of Edinburgh

Venues

King's Buildings Campus

Content

Year 1
You will be introduced to basic principles of programming and computation. You will learn how information can be represented and processed in computer systems, as well as fundamental techniques to manage data and solve problems using computer programs. The year also includes courses in mathematics necessary for all areas of informatics. Together these form the foundations of more in-depth study of computation in future years. You can choose option courses from various schools across the University.

Year 2
You will build on Year 1, covering more advanced programming and data structures, together with related mathematics. You will develop greater understanding of algorithms, learning from data, and mathematics. Option courses include a variety of subjects from different schools across the University.

Year 3
Your studies will become more focused and you will have more choice in selecting specialised courses, according to your own interests, from a range of options in computer science, artificial intelligence and relevant mathematics, as well as other courses in informatics. Coursework assignments typically provide you with experience in practical work, independent problem solving, and group work. Your exact curriculum depends on your selected courses. Options offered in recent years include courses in robotics, computer security, machine learning, operating systems, computer networks, differential equations, complex variables and around 12 others.

Year 4
You will choose from a large number of advanced course options in mathematics, artificial intelligence and computer science to build a portfolio according to your interests. Year 4 includes an individual honours project where you will learn to develop a viable project starting from a given topic. You will have a variety of choices in selecting your project and a supervisor to guide you.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BSc Hons

UCAS Code

GG14

Course Length

4 years

Faculty

College of Science and Engineering

Department

Informatics

Entry Requirements

2027 entry requirements

Standard entry:
5 Highers at AAAAA (by end of S5 preferred) including Maths plus English at National 5. Advanced Higher Maths highly recommended.

Widening Access entry:
4 Highers at AABB (two sittings) including Maths at A plus English at National 5. Advanced Higher Maths highly recommended. BBB must be achieved in one sitting.

SCQF Level

10

SCQF Points

«SCQFPoints»

Progression Routes

Degrees are accredited the UK Engineering Council by the British Computer Society

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

Old College
South Bridge
Edinburgh
City of Edinburgh

EH8 9YL

Website

www.ed.ac.uk